

# Clay Shumaker

## Student

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Check out some of my work:  
[isoptera.lcsc.edu/~cshumaker/](https://isoptera.lcsc.edu/~cshumaker/)

## Skills —

C   C++	Python
Linux   Bash	HTML   CSS   JS
Git	SQL
MSVS Unit Tests	X86 ASM

## Education

### Lewis-Clark State College / Computer Science BS | Mathematics Minor

August 2022 – Present, Lewiston ID

- Graduating spring 2026 (3.98 CGPA).
- Sat on the promotion board for Computer Science professor Dr. S. Seth Long.

#### Coursework:

Artificial Intelligence | Game Engine Design | Linux Systems Programming  
Software Engineering | Computer Architecture (x86 Assembly)

## Projects

### Connect 4 with AI C/C++ | OpenGL | Minimax

- A 2d graphical game of Connect 4 where you can play against an AI opponent or watch two entities play against each other.

### Neural Network C++ | Particle Swarm Optimization

- This is a simple neural network that will learn to calculate sine on a domain of  $-3\pi$ ,  $3\pi$ .

### 3D Game Engine C/C++ | OpenGL | GLSL

- Developed during a class on game engine design. Currently set up as a maze exploration game with a player tracking agent.

## Experience

### Boys & Girls Club / Youth Development Professional | Stem Supervisor

May 2024 – December 2024, Lewiston ID

Led a grant sponsored by the Idaho Out of School Network which involves teaching high school aged staff to perform and teach STEM related activities.

Implemented a DNS server using a Raspberry PI and Pi-hole.

### Les Schwab Tires / Sales and Service

December 2019 – December 2023 / Meridian ID

Handled the input and organization of freight for the store. I have trained new and veteran employees in assisting with inventory management.

## Extracurriculars

### Cross Point Alliance Church / Worship Team

November 2022 – Present, Lewiston ID

I am a member of our church's Worship Leader Cohort for musically and technically leading Sunday Worship.